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## CLAIMS

- A method for destroying protozoa in an aqueous flow colonized by protozoa, comprising
   applying a pulsed electric field to the aqueous flow at an intensity from 1 kV/cm to
   30 kV/cm.
  - The method according to claim 1, wherein the intensity of the electric field applied to the flow is from 1.5 to 15 kV/cm.
  - The method according to claim 1, wherein said pulsed electric field is applied with a number of 1 to 50 pulses.
  - The method according to claim 1, wherein the flow is continuous.
  - 5. The method according to claim 1, wherein the flow is sequential.
  - 6. The method according to claim 1, wherein the pulsed electric filed is applied in a pulse profile which is of a square wave type, an exponential decay wave type, a sinusoidal wave type, a bipolar wave type or a trapezoidal wave type.
  - The method according to claim 1, wherein the pulsed electric field has pulses at a frequency of 1 Hz to 2000 Hz.
  - The method according to claim 1, wherein the pulsed electric field has pulses with a
    pulse duration on the order of 1 µs to about 10 ms.
  - 9. The method according to claim 1, wherein the field is substantially parallel to the flow.
    - The method according to claim 1, wherein the field is substantially perpendicular to the flow.
    - 11. The method according to claim 1, wherein the protozoa are amoebas.
    - 12. The method according to claim 11, wherein the protozoa are free living amoebas.

13. A method for eliminating protozoa in an aqueous flow colonized by protozoa, said method comprising applying a pulsed electric field to the aqueous flow at an intensity from 1 kV/cm to 30 kV/cm.